

Sheet 1 of 4		INFORMATION DISCLOSURE STATEMENT					
FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i> Date Submitted to PTO: July 11, 2005			ATTY DOCKET NO. 2000_1388		SERIAL NO. 09/677,421		
			APPLICANT Mitsuki OSHIMA et al.				
			FILING DATE October 5, 2000		GROUP 2634		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	3,824,548	7-16-74	Sullivan et al.	—	—	—
	AB	3,959,726	5-25-76	Hinoshita et al.	—	—	—
	AC	4,303,939	12-1-81	Stephens et al.	—	—	—
	AD	4,303,941	12-1-81	Marti et al.	—	—	—
	AE	4,309,726	1-5-82	Tanaka et al.	—	—	—
	AF	4,535,352	8-85	Haskell	—	—	—
	AG	4,564,858	1-14-86	Resch	—	—	—
	AH	4,581,639	4-8-86	Judge	—	—	—
DH	AI	4,769,819	9-6-88	Matsutani et al.	—	—	—
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DH	AJ	57-39629	3-4-82	Japan	—	—	abstract
	AK	58-161427	9-26-83	Japan	—	—	abstract
	AL	58-161547	9-26-83	Japan	—	—	abstract
	AM	61-70861	4-11-86	Japan	—	—	abstract
DH	AN	63-180222	7-25-88	Japan	—	—	abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
DH	AO	Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991					
DH	AP	Ryutaro OHMOTO et al., "π/4-shift QPSK Subcarrier Transmission", 1991					
DH	AQ	J. A. C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, Vol. 28, May 1990, pages 5-8 and 11-14					
EXAMINER				DATE CONSIDERED			
D. L. Lull				08/04/05			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2000_1388SERIAL NO.
09/677,421U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
October 5, 2000GROUP
2634

Date Submitted to PTO: July 11, 2005

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	4,794,447	12-27-88	Tsinberg	_____	_____	_____
	AB	4,800,426	1-24-89	Glenn	_____	_____	_____
	AC	4,817,192	3-28-89	Phillips et al.	_____	_____	_____
	AD	5,007,088	4-9-91	Ooi et al.	_____	_____	_____
	AE	5,029,003	7-91	Jonnalagadda	_____	_____	_____
	AF	5,038,402	8-6-91	Robbins	_____	_____	_____
	AG	5,063,445	11-5-91	Nishizawa et al.	_____	_____	_____
	AH	5,128,758	7-7-92	Azadegan et al.	_____	_____	_____
DH	AI	5,134,464	7-28-92	Basile et al.	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DH	AJ	2-94814	4-5-90	Japan	_____	_____	abstract
	AK	2-218279	8-30-90	Japan	_____	_____	abstract
	AL	2-260726	10-23-90	Japan	_____	_____	X
	AM	3-48587	3-1-91	Japan	_____	_____	abstract
DH	AN	3-69295	3-25-91	Japan	_____	_____	X

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DH	AO	B. Hirosaki, "An Orthogonally Multiplexed QAM System Using the Discrete Fourier Transform", IEEE Transactions on Communications, Vol. Com-29, No. 7, July 1981, pages 982-989
DH	AP	L. J. Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", IEEE Transactions on Communications, Vol. Com-33, No. 7, July 1985, pages 665-675 and Annex
	AQ	

EXAMINER

DATE CONSIDERED

08/04/05

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2000_1388SERIAL NO.
09/677,421U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
October 5, 2000GROUP
2634

Date Submitted to PTO: July 11, 2005

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	5,170,413	12-8-92	Hess et al.	_____	_____	_____
	AB	5,181,112	1-19-93	Citta et al.	_____	_____	_____
	AC	5,214,656	5-1993	Chung et al.	_____	_____	_____
	AD	5,218,622	6-8-93	Fazel et al.	_____	_____	_____
	AE	5,377,051	12-27-94	Lane et al.	_____	_____	_____
	AF	5,400,084	3-21-95	Scarpa	_____	_____	_____
	AG	5,802,241	9-1-98	Oshima	_____	_____	_____
	AH	5,576,902	11-19-96	Lane et al.	_____	_____	_____
DH	AI	5,598,220	1-97	Citta et al.	_____	_____	_____

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DH	AJ	91/20137	12-26-91	WO	_____	_____	X
DH	AK	92/22162	12-10-92	WO	_____	_____	X
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2000_1388SERIAL NO.
09/677,421U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 11, 2005

APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
October 5, 2000GROUP
2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	AA	5,638,112	6-10-97	Bestler et al.	—	—	—
	AB	5,819,000	10-6-98	Oshima	—	—	—
	AC	5,892,879	4-6-99	Oshima	—	—	—
	AD	5,999,569	12-7-99	Oshima	—	—	—
	AE	6,049,651	4-11-00	Oshima	—	—	—
DA	AF	6,256,357	7-3-01	Oshima	—	—	—
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DA	AJ	2,095,435	5-10-92	Canada	—	—	X
	AK						
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED